

## 05290 Sterility Indicator (Radiation Sterilization)

These indicators consist of *Bacillus pumilus* (ATCC 27142) spores impregnated on paper strips, individually placed into envelopes. Number of spores present per strip: 1 million. *Bacillus pumilus* is a radiation resistance species. The spores are highly resistant and are used to monitor efficiency of radiation sterilization.

### Composition:

(1 package contains 25 test strips)

One paper strip is impregnated with 1 million spores from *Bacillus pumilus* (ATCC 27142)

### Directions:

Place indicators so that they are exposed to the radiation as the media and the equipment. For the routine evaluation of each radiated lot a standard procedure should be established. After radiation sterilization using rigid aseptic techniques and open the envelope with the strip inside.

Inoculate strip in a tube with sterile CASO Broth (Prod No 22098) and incubate at 35-37°C up to 7 days according USP. Today it is up to date in most laboratories to incubate for 48 hours according new stability studies. Simultaneously an unexposed spore strip is inoculated separately in another tube with sterile CASO Broth.

### Quality control:

Cultural response observed after 7 days at 35°C in CASO Broth (22098):

Spore Strip	Result
Exposed to radiation	no growth
Unexposed	luxuriant growth

### Precautions and Disclaimer

This product is for R&D use only, not for drug, household, or other uses. Please consult the Material Safety Data Sheet for information regarding hazards and safe handling practices.

